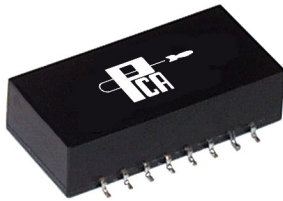


EPB5131G



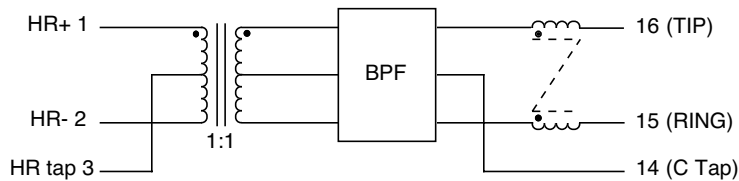
- Robust construction allows for IR/VP processes •
- 1500 Vrms Isolation •
- Enhanced Common Mode Attenuation to pass FCC Class B •

Electrical Parameters @ 25° C

Cut-off Frequency (Typ.)		Insertion Loss (dB Max.)	Return Loss (dB Min.)	Attenuation (dB Min.)		
Lower Band	Upper Band			@ 1.1 MHz	@ 22 MHz	@ 54 MHz
3.5	11.5	-2.2	-8	-60	-35	-50

• Characteristic Filter Impedance : 100 Ω •

Schematic

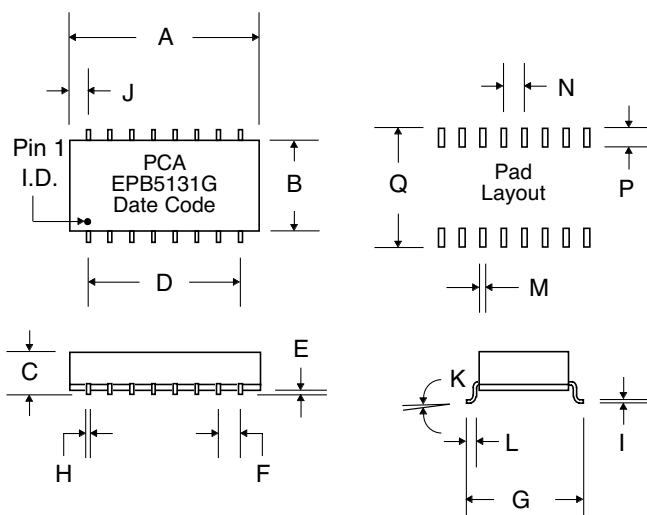


Input Impedance

With 100 Ω load across pins 1 and 2, please refer to the table below. The magnitude of the input impedance shall be > 10 Ω from 0-30 MHz and shall conform to the following lower-bound mask:

Frequency Range (KHz)	Minimum Impedance Ω	Frequency Range (KHz)	Minimum Impedance Ω
0 < f ≤ 0.285	1 M	1000 < f ≤ 1400	175
0.285 < f ≤ 2.85	100 K	1400 < f ≤ 2300	100
2.85 < f ≤ 28.5	10 K	2300 < f ≤ 2850	50
28.5 < f ≤ 95	4.0 K	2850 < f ≤ 3085	25
95 < f ≤ 190	2.0 K	3085 < f ≤ 3725	10
190 < f ≤ 285	1.4 K	3725 < f ≤ 3935	25
285 < f ≤ 380	1.0 K	3935 < f ≤ 4000	50
380 < f ≤ 475	850	10000 < f ≤ 10450	40
475 < f ≤ 570	700	10450 < f ≤ 10925	25
570 < f ≤ 665	600	10925 < f ≤ 13125	10
665 < f ≤ 760	525	13125 < f ≤ 14175	25
760 < f ≤ 855	450	14175 < f ≤ 16800	50
855 < f ≤ 950	400	16800 < f ≤ 21000	100
950 < f ≤ 1000	350	21000 < f ≤ 30000	50

Package



Dimensions

Dim.	(Inches)			(Millimeters)		
	Min.	Max.	Nom.	Min.	Max.	Nom.
A	.990	1.01	1.00	25.15	25.65	25.40
B	.470	.490	.480	11.94	12.45	12.19
C	.250	.270	.260	6.35	6.86	6.60
D	---	---	.700	---	---	17.78
E	.010	.015	.012	.254	.381	.305
F	---	---	.100	---	---	2.54
G	.590	.610	.600	14.99	15.49	15.24
H	.016	.022	.018	.406	.559	.457
I	.008	.012	.010	.203	.305	.254
J	---	---	.150	---	---	3.81
K	0°	8°	4°	0°	8°	4°
L	.025	.045	.035	.635	1.14	.889
M	---	---	.030	---	---	.762
N	---	---	.100	---	---	2.54
P	---	---	.090	---	---	2.29
Q	---	---	.670	---	---	17.02